12

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid Road in ward no. 06 Byatarayanapura Sub Division**

Estimated Cost : **90.00 Lakhs**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid road in ward no. 06 Byatarayanapura Sub Division

Job No -006-20-000171				Estimate Cost Rs.				9000000.00
Description of item	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Item No. 19.1/ PWD SR 2018-19	Cum							
For Culverts		5	6.00	2.10	1.00	63.00		
		5	5.00	2.10	1.00	52.50		
For RCC Drain		2	385.00	1.20	1.00	924.00		
Desilting of Surrounding drains		2	200.00	0.60	0.40	96.00		
Removing Additional Earth		2	200.00	1.20	0.35	168.00		
		2	155.00	1.35	0.35	146.48		
Removing Additional Earth/Debris		2	375.00	2.50	0.35	656.25		
		2	200.00	2.60	0.35	364.00		
						2470.23	137.80	**340397.00**
Basic Rate	130.00							
Area Weightage @ 6%	7.80							
Total	**137.80**							
KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (PWD SR 2018-19 (Page No. 222, Item No. 27.18)	**Cum**							
For Culverts		5	6.00	2.00	0.15	9.00		
		5	5.00	2.00	0.15	7.50		
RCC Drains		2	385.00	1.10	0.15	127.05		
						143.55	5421.90	**778314.00**
Basic Rate	5115.00							
Area Weightage @ 6%	306.90							
Total	**5421.90**							
Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, HOM, scaffolding, curing complete as per specifications. KBS 5.1.13 Page No. 255/ Item No. 34.9/ PWD SR 2018-19	**Cum**							
For Culverts		5X2	6.00	0.60	0.80	28.80		
		5X2	5.00	0.60	0.80	24.00		
						52.80	**5811.98**	**306873.00**
Basic Rate	5483.00							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Area Weightage @ 6%	328.98							
Total	**5811.98**							
KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.(PWD Sr 2018-19 P 16 It 4.31)	**Sqm**							
For RCC Drains		2X4	385.00	0.75		2310.00		
Raising of Existing Drain		2X2	75.00	0.30		90.00		
						2400.00	**379.48**	**910752.00**
Basic Rate	**358.00**							
Area Weightage @ 6%	21.48							
Total	**379.48**							
KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19	**cum**							
Culverts		5X2	6.00	0.60	0.10	3.60		
Vent Bed		5	6.00	0.60	0.15	2.70		
Culverts		5X2	5.00	0.60	0.10	3.00		
Vent Bed		5	5.00	0.60	0.10	1.50		
For Drain Repair Work		1	75.00	0.60	0.15	6.75		
						17.55	5627.54	**98763.00**
Basic Rate	5309.00							
Area Weightage @ 6%	318.54							
Total	**5627.54**							
KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm							
Culverts		5X2	6.00		0.60	36.00		
		5X2	5.00		0.60	30.00		
						66.00	149.46	**9864.00**
Basic Rate	141.00							
Area Weightage @ 6%	8.46							
Total	**149.46**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications /Page No. 227 Item No. 28.7.9, PWD SR 2018-19	Cum							
For New RCC Drains								
Bottom Concrete		2	385.00	1.00	0.15	115.50		
Side Walls		2X2	385.00	0.15	0.70	161.70		
Raising of Existing Drain		2	75.00	0.15	0.30	6.75		
						283.95	5483.38	**1557006.00**
Basic Rate	5173.00							
Area Weightage @ 6%	310.38							
Total	**5483.38**							
KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. TMT Bar Fe-500, Page No. 229/ Item No. 28.8.2, PWD SR 2018-19	Tonne							
0.70Ton/Cum		0.070	283.95			**19.88**	72326.98	**1437607.00**
Basic Rate	68233.00							
Area Weightage @ 6%	4093.98							
Total	**72326.98**							
Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm							
For Culverts		5	6.00	1.50		45.00		
		5	5.00	1.50		37.50		
						82.50	5418.00	**446985.00**
Data Rate	**5418.00**							
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	sqm							
For RCC Drain		2	385.00	0.90		693.00		
Missing slabs		2	35.00	0.90		63.00		
		2	32.00	0.90		57.60		
						813.60	2337.00	**1901383.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Data Rate	**2337.00**							
SRRB M100-2. Loading and Unloading of tone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							
		Qty. Vide Item No. 1				**2470.23**		
						2470.23	71.02	**175435.00**
Basic Rate	57.00							
Haulage Charges at 5KM Lead	10.00							
	67.00							
Area Weightage @ 6%	4.02							
Total	**71.02**							
						Grand Total		**7963379.00**
For 12% Applicable GST								955605.00
For 1% PMC								79634.00
Miscesallaneous Charges	L/S							1382.00
								9000000.00

icate:
The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2018-19
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
Ward No.6

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 90.00 Lakhs only
Head of A/c. P3602
Div. Ref. No. 13/20-21, Date 02/06/2020
AE EE(BTP) 2/6/20

( ) ರಲ್ಲಿ ವಿವರಿಸಿರುವಂತೆ ಅಂಶಗಳ ಬಗ್ಗೆ
ಸಂಖ್ಯಾಲಕ ಅಭಿಪ್ರಾಯವನ್ನು ( ) ರವರು
ಬಿ.ಟಿ.ಎಸ್
ಮಾಡಲು ಕೋರಿದೆ.
ಒಟ್ಟು ಕಾಮಗಾರಿಯ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು
ಅನುಮೋದನೆಯಲ್ಲಿ ಒಟ್ಟು ಸಂಖ್ಯೆ :
ರದ್ದುಗೊಳಿಸಿರುವ ಒಟ್ಟು ಬಿಟಿಂಗಳ ಸಂಖ್ಯೆ :
ಅಭಿಯಂತರರು (ಸಂಚಲನ)

Rs. 90,00,000/-
Rs. NINETY LAKH ONLY
P 3602
Job Code No. 006-20-000171
Registered as SE(T)/TS/ 03 /20-21 subject to conditions contained in enclosed memo No. 03/2020-21 Dated: 2/6/2020
2/6/2020